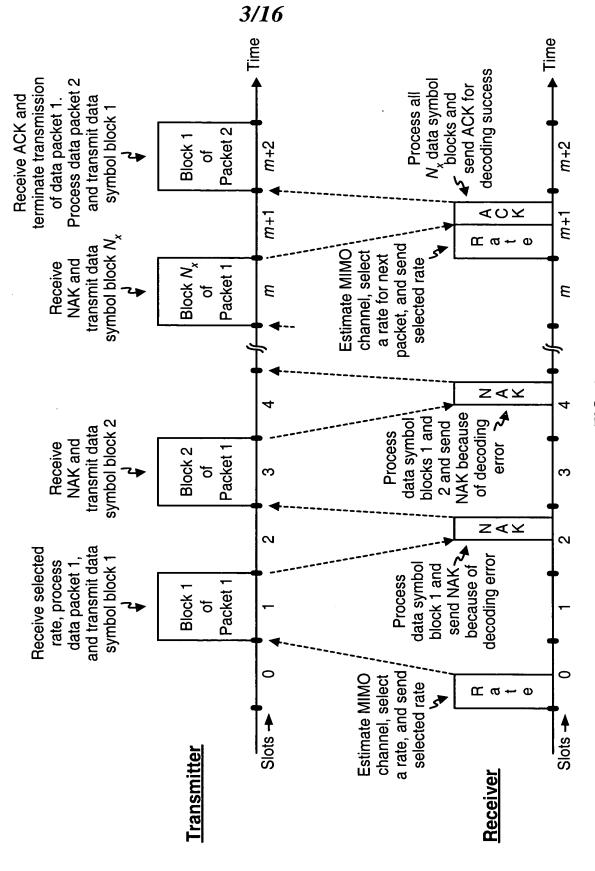


FIG. 2



F/G. 3

10 11 12 13 14 15 16	0 s _{2,15} 0	0 $s_{1,14}$ 0 $s_{2,16}$	S _{1,15} 0	t 0 S _{1,16}	Time
3 14	0 81	S _{1,1} ,	13 0	0 S _{2,14}	
13	S _{1,13}	0	0 S _{2,13}	0	
12	0	S _{2,12}	0	0 \$1,12	
11	0 \$2,11	0 S _{2,12}	0 \$1,11		
10	0	0 \$1,10		0 \$2,10	
8	S _{1,9}		0 \$2,9	0	FIG. 4
8	0	0 S _{2,8}	0	S _{1,8}	FI
7	0 \$2,7	0	5,7	0	
9	0	S _{1,6}	0	0 s _{2,6}	
2	S _{1,5}	0	S _{2,5}	0	
4	0	S _{2,4}	0	S _{1,4}	
ဗ	S _{2,3}	0	S _{1,3}	0	
2	0	S _{1,2}	0	$S_{2,2}$	
-	S _{1,1}	0	s _{2,1} 0	0	
	Antenna 1	Antenna 2	Antenna 3	Antenna 4	

FIG. 5

IR Transmission for No Independent Parallel Channels

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(Ordered SIC Transmission Scheme - with Null Transmission for Early Termination) IR Transmission for 2 Inter-dependent Parallel Channels

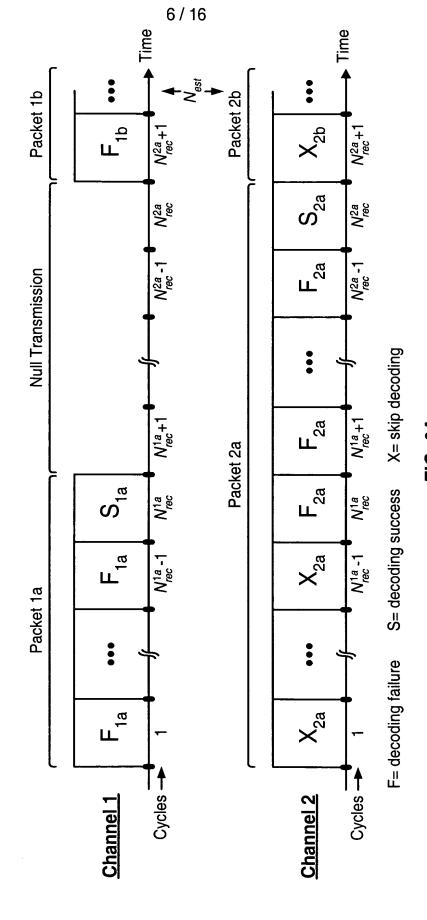


FIG. 6A

IR Transmission for 2 Inter-dependent Parallel Channels

(Ordered SIC Transmission Scheme - with Short Packet Transmission for Early Termination)

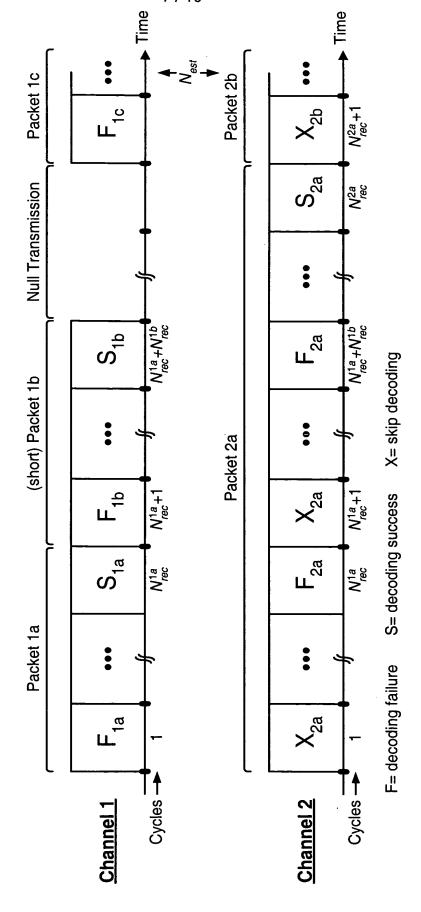
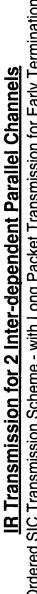


FIG. 6B



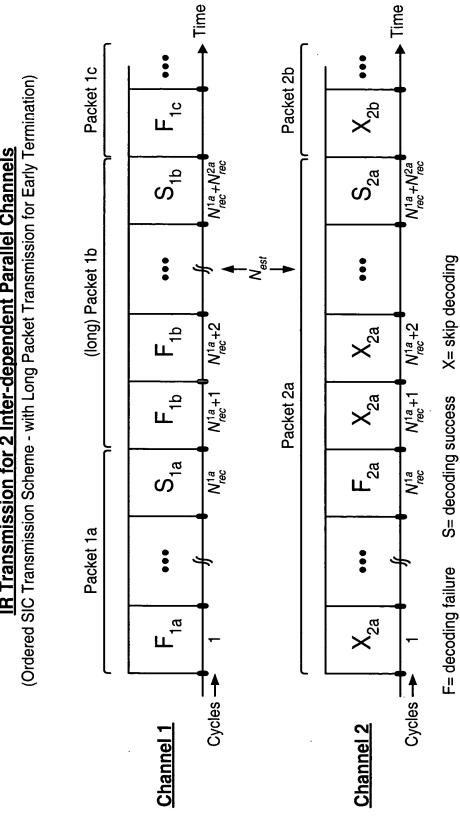
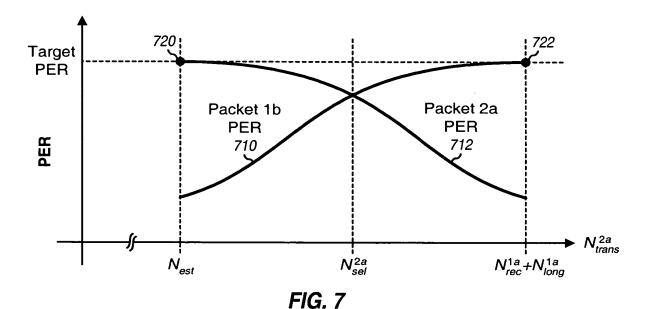


FIG. 6C



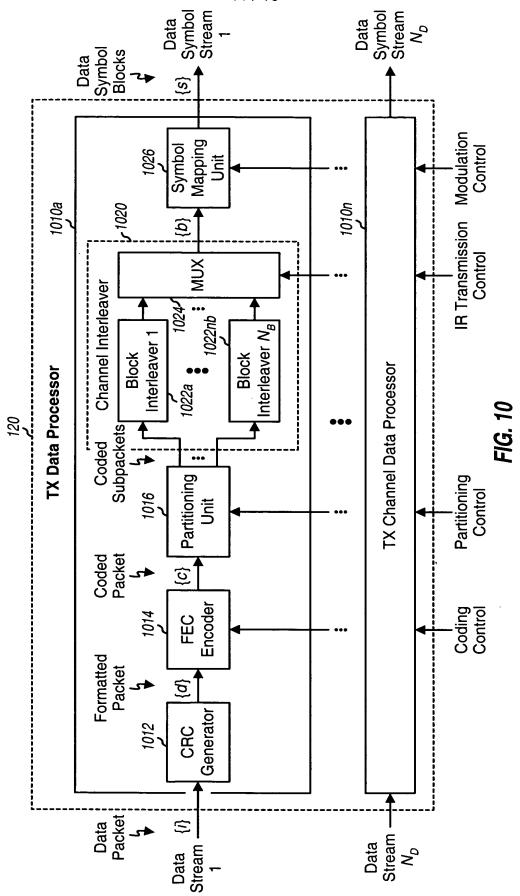
Packets on 800 Channels 1 and 2 810 recovered Sync Packet on Channel 1 Packet on Channel 1 recovered and new recovered and no packet transmitted transmission on on Channel 1 Channel 1 Packets on Channels Packet on 1 and 2 Channel 2 recovered recovered 820 830 New Null **Packet** Packet on Channel 1 **Transmission** Transmission Packet on recovered and no Packet on Channel 1 transmission on Channel 2 not recovered Channel 1 not **OR** packet recovered on Channel 1 recovered and new packet

FIG. 8

transmitted on Channel 1

IR Transmission for 2 Inter-dependent Parallel Channels

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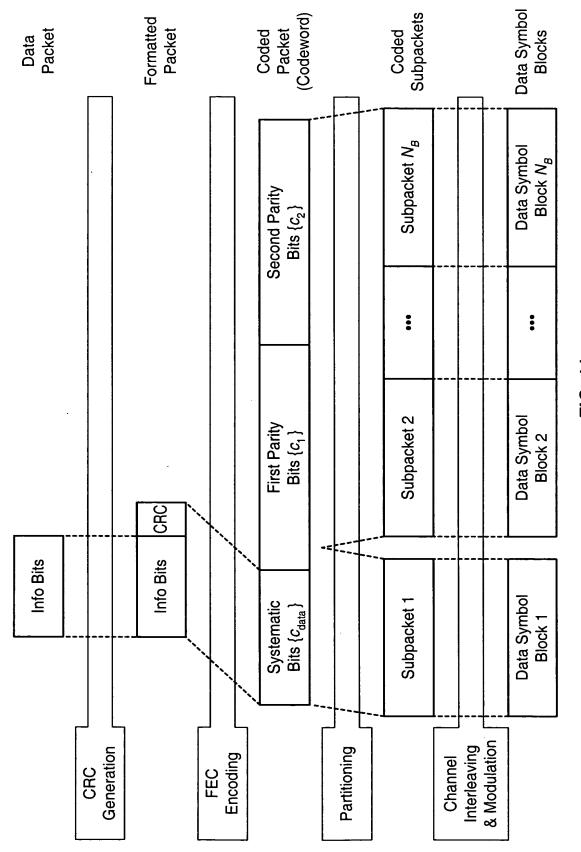
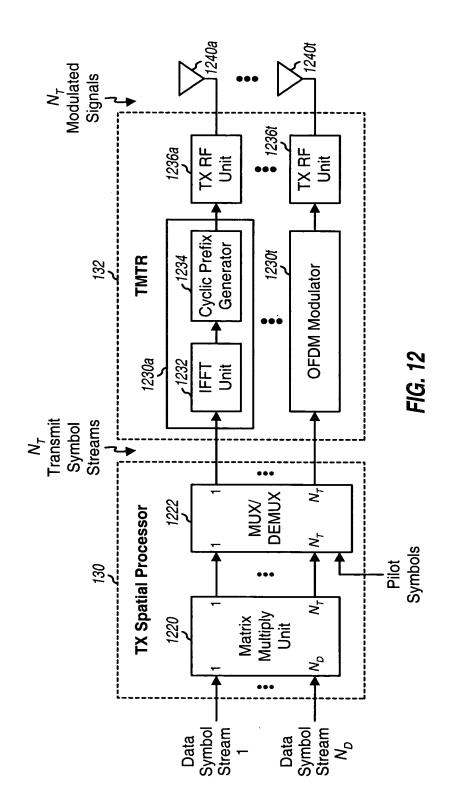
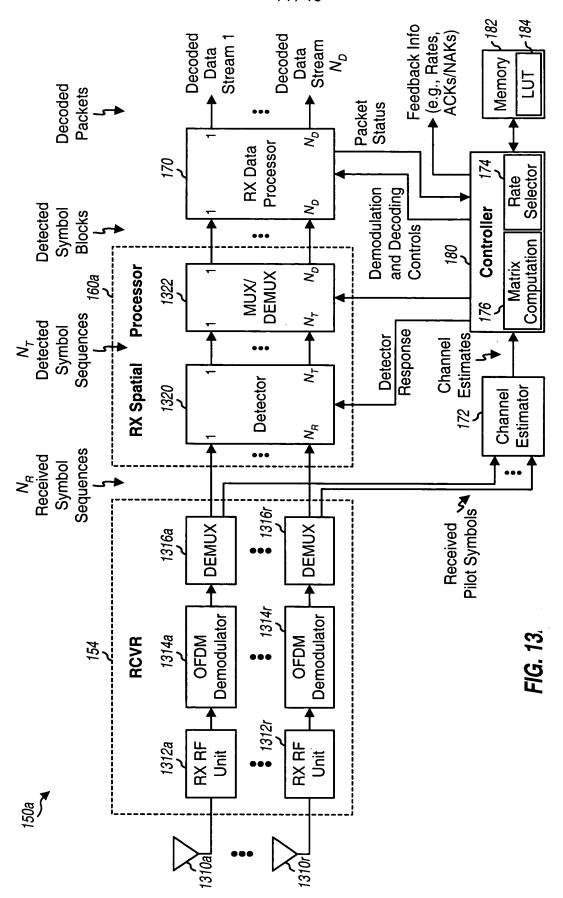


FIG. 11





Stream 1

Symbol

Detected

Symbol Stream N_D

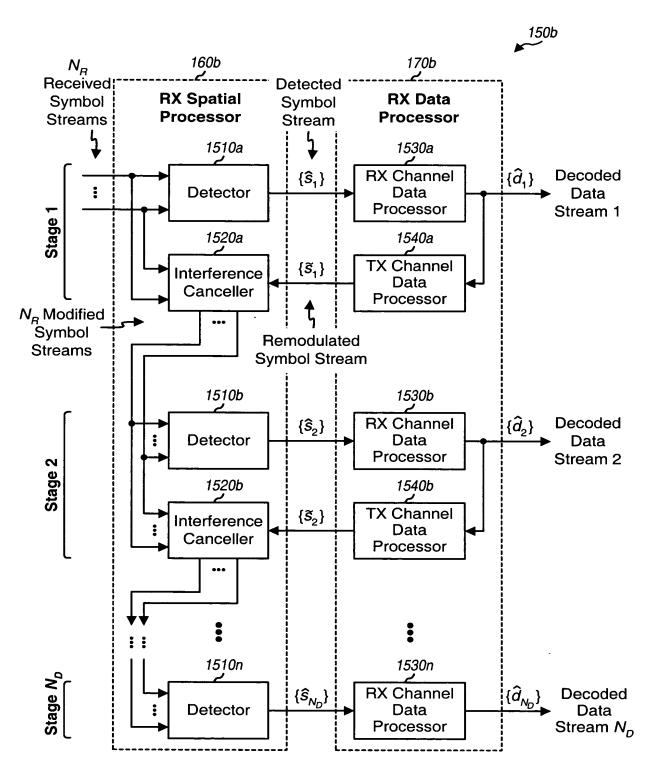


FIG. 15